Performance Data Sheet

AJA4492YXD

General Information

Model	AJA4492YXD	**Refrigerant**	R-134a
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	5870	5980	5790	5360	4750	4030	3250
	Watts	733	793	837	863	874	871	854
	Amps	5.39	5.51	5.62	5.70	5.75	5.75	5.69
	Lb/h	74.0	80.5	82.3	80.2	75.0	67.6	58.7
25	Btu/h	6390	6510	6330	5930	5360	4690	3990
	Watts	774	837	884	918	939	949	949
	Amps	5.48	5.61	5.73	5.84	5.93	5.97	5.96
	Lb/h	80.9	87.9	90.4	89.3	85.3	79.4	72.3
30	Btu/h	7190	7270	7070	6660	6100	5460	4790
	Watts	812	875	926	966	997	1020	1030
	Amps	5.58	5.72	5.86	6.00	6.11	6.20	6.24
	Lb/h	91.7	98.6	101	101	97.7	92.8	87.1
35	Btu/h	8250	8260	8010	7550	6960	6300	5640
	Watts	849	911	965	1010	1050	1080	1110
	Amps	5.70	5.85	6.00	6.16	6.31	6.43	6.52
	Lb/h	106	113	115	115	112	108	103
40	Btu/h	9560	9460	9110	8580	7930	7220	6520
	Watts	886	947	1000	1050	1100	1140	1180
	Amps	5.84	5.98	6.15	6.33	6.50	6.66	6.80
	Lb/h	124	130	132	131	128	124	120
45	Btu/h	11100	10900	10400	9740	8990	8200	7430
	Watts	926	985	1040	1090	1150	1200	1260
	Amps	5.98	6.13	6.30	6.50	6.70	6.90	7.08
	Lb/h	146	150	151	149	146	142	137
50	Btu/h	12900	12400	11800	11000	10100	9220	8350
	Watts	972	1030	1080	1140	1200	1260	1330
	Amps	6.13	6.28	6.46	6.67	6.90	7.13	7.35
	Lb/h	171	173	173	170	166	161	156
55	Btu/h	14800	14200	13400	12400	11300	10300	9270
	Watts	1020	1080	1130	1190	1250	1320	1400
	Amps	6.29	6.43	6.62	6.84	7.09	7.35	7.61
	Lb/h	199	199	197	192	187	181	175

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-1.228352E+04	-1.066185E+03	4.565546E+00	-2.240937E+02
C2	-3.177492E+02	2.893132E+01	2.584103E-02	-4.175370E+00
C3	5.464574E+02	3.388555E+01	-3.070777E-03	8.271614E+00
C4	1.240337E+01	-1.491063E-01	9.305224E-04	1.572454E-01
C5	6.331415E-01	-3.788216E-01	-1.049496E-03	1.481012E-03
C6	-4.709581E+00	-1.960321E-01	3.056015E-04	-6.574809E-02
C7	-1.773031E-02	3.005182E-03	-2.833545E-06	-1.492881E-04
C8	-7.016954E-02	-1.880362E-03	-4.638548E-06	-8.722998E-04
C9	1.468394E-02	2.905419E-03	8.554457E-06	2.719479E-04
C10	1.066728E-02	1.832635E-04	-1.988578E-06	1.360642E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature